I.D.S. PATENT



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Harold R. Blomquist Applicant

Filing Date

For

GAS GENERATING MATERIAL FOR VEHICLE OCCUPANT

PROTECTION DEVICE

Attorney Docket No.

TRW (VSSIM) 4419

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Assistant Commissioner for Patents Washington, D.C. 20231

## INFORMATION DISCLOSURE STATEMENT

sir:

This information disclosure statement is being filed to fulfill the duty of candor and good faith toward the Patent and Trademark Office in accordance with 37 CFR §1.56.

Below is a list of information of which persons substantively involved in the preparation of the application identified above, are aware of. This statement is not a representation that no other relevant information exists, and is not an admission that any of the items is material. Copies of listed patents and publications are enclosed. No copies of listed U.S. Patent Applications are enclosed. A PTO Form 1449 is attached.

## RELEVANCE PATENTS

Discloses a solid U.S. Patent No. 5,589,661

propellant based on phase-

stabilized ammonium

nitrate.

Discloses a clean space U.S. Patent No. 5,591,936 motor/gas generator solid

propellants.

PATENTS

RELEVANCE

U.S. Patent No. 5,092,945

Discloses a glycidyl azide propellant with antigassing additives.

U.S. Patent No. 4,657,607

Discloses a process for the solvent-free manufacture of compound pyrotechnic products containing a thermosetting binder and products thus obtained.

U.S. Patent No. 4,506,069

Discloses a low vulnerability gun propellant.

U.S. Patent No. 5,210,153

Discloses a thermoplastic elastomers having alternate crystalline structure for us as high energy binders.

U.S. Patent No. 5,741,998

Discloses propellant formulations based on dinitramide salts and energetic binders.

U.S. Patent No. 5,847,311

Discloses a hybrid inflator with crystalline and amorphous block copolymer.

Respectfully submitted,

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